

Title (en)  
Absorbent granular material and process and apparatus for making the absorbent granular material

Title (de)  
Absorbierendes granuläres Material und Verfahren und Vorrichtung zu dessen Herstellung

Title (fr)  
Matériau absorbant granulaire et procédé et dispositif pour sa fabrication

Publication  
**EP 0751253 A3 19971105 (EN)**

Application  
**EP 96107993 A 19960520**

Priority  
• US 48284395 A 19950607  
• US 47840695 A 19950607

Abstract (en)  
[origin: EP0751253A2] A process is disclosed which utilizes the "non-papermaking" portion of waste paper to produce a highly absorbent, essentially fiber-free granule which can be used, for example, as an agricultural chemical carrier. The process maximizes the amount of long (papermaking) fiber sent to the paper machine. The waste paper is broken up in a hydropulper, and the pulp stock is screened so that papermaking fibers are retained and sent forward to the papermaking process, and the solid material in the reject stream, such as kaolin clay and inorganic materials pass through a flotation clarifier to separate the solids. The slurry is then dewatered by means of a belt press to form a filter cake. The filter cake then enters a pin mixer where it is broken up into individual granules. The granules are then dried to a solids content of greater than 95%.  
<IMAGE>

IPC 1-7  
**D21B 1/32; D21F 1/66**

IPC 8 full level  
**A01K 1/015** (2006.01); **B03B 5/00** (2006.01); **B03D 1/00** (2006.01); **B09B 3/00** (2006.01); **C05D 3/02** (2006.01); **C05D 9/00** (2006.01); **C05G 3/00** (2006.01); **C05G 3/04** (2006.01); **C05G 3/80** (2020.01); **D21B 1/32** (2006.01); **D21B 1/38** (2006.01); **D21D 5/02** (2006.01); **D21F 1/66** (2006.01)

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